

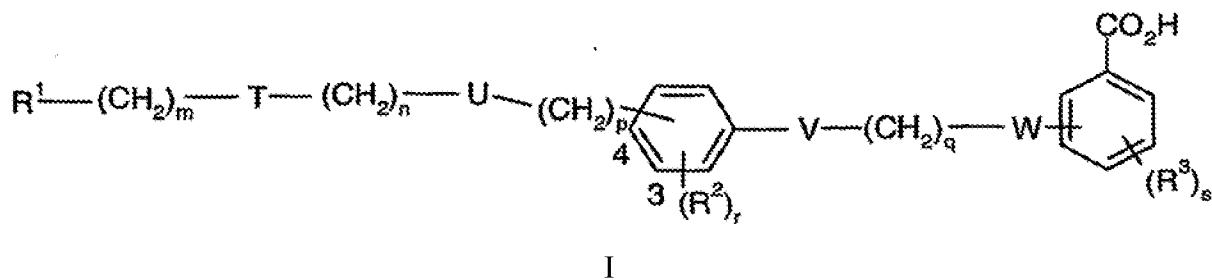
In the Claims:

The current status of all claims is listed below and supersedes all previous lists of claims.

Please cancel claims 1-3, 7, 8, 13, and 14 without prejudice to their presentation in another application, amend claims 6, 10, and 11, and add new claims 15-20 as follows:

1-5. (canceled).

6. (currently amended) A compound according to claim 1 in which of formula I



wherein:

R¹ represents aryl optionally substituted by a heterocyclic group or a heterocyclic group optionally substituted by aryl wherein each aryl or heterocyclic group is optionally substituted by one or more of the following groups:

a C₁₋₆alkyl group;

a C₁₋₆acyl group;

arylC₁₋₆alkyl, wherein the alkyl, aryl, or alkylaryl group is optionally substituted by one or more R^b;

halogen;

-CN and NO₂;

-NR^cCOOR^a;

-NR^cCOR^a;

-NR^cR^a;

-NR^cSO₂R^d;

-NR^cCONR^kR^c;

-NR^cCSNR^aR^k;-OR^a;-OSO₂R^d;-SO₂R^d;-SOR^d;-SR^c;-SO₂NR^aR^f;-SO₂OR^a;-CONR^cR^a;-OCONR^fR^a;

wherein R^a represents H, a C₁₋₆alkyl group, aryl or arylC₁₋₆alkyl group wherein the alkyl, aryl or arylC₁₋₆alkyl group is optionally substituted one or more times by R^b, wherein R^b represents C₁₋₆alkyl, aryl, arylC₁₋₆alkyl, cyano, -NR^cR^d, =O, halo, -OH, -SH, -OC₁₋₄alkyl, -Oaryl, -OC₁₋₄alkylaryl, -COR^c, -SR^d, -SOR^d, or -SO₂R^d, wherein R^c represents H, C₁₋₄alkyl, aryl, arylC₁₋₄alkyl and R^d represents C₁₋₄alkyl, aryl, arylC₁₋₄alkyl;

wherein R^f represents hydrogen, C₁₋₄alkyl, C₁₋₄acyl, aryl, arylC₁₋₄alkyl and R^a is as defined above; and

R^k represents hydrogen, C₁₋₄alkyl, aryl, aryl C₁₋₄alkyl;

the group -(CH₂)_m-T-(CH₂)_n-U-(CH₂)_p- is attached at either the 3 or 4 position in the phenyl ring as indicated by the numbers in formula I and represents a group selected from one or more of the following: O(CH₂)₂, O(CH₂)₃, NC(O)NR⁴(CH₂)₂, CH₂S(O₂)NR⁵(CH₂)₂, CH₂N(R⁶)C(O)CH₂, (CH₂)₂N(R⁶)C(O)(CH₂)₂, C(O)NR⁷CH₂, C(O)NR⁷(CH₂)₂, and CH₂N(R⁶)C(O)CH₂O;

V represents O;

q represents 1;

W represents a single bond;

R² represents halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, a C₁₋₄acyl group, aryl, an arylC₁₋₄alkyl group, CN or NO₂;

r represents 0, 1, 2 or 3;

R³ represents represents halo, a C₁₋₄akyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, a C₁₋₄acyl group, aryl, an arylC₁₋₄alkyl group, or CN;

s represents 0, 1, 2 or 3; and

R⁴, R⁵, R⁶, R⁷, R⁸, R⁹ and R¹⁰ independently represent H, a C₁₋₁₀alkyl group, aryl or an arylC₁₋₄alkyl group or when m is 0 and T represents a group N(R⁶)C(O) or a group (R⁵)NS(O₂) then R¹ and R⁶ or R¹ and R⁵ together with the nitrogen atom to which they are attached represent a heteroaryl group;

or a pharmaceutically acceptable salts thereof;

with the proviso that:

1) when R¹ is phenyl optionally substituted by one or two groups independently selected from halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro;

m is 1;

T is N(R⁶)C(O) wherein R⁶ represents a C₂₋₈alkyl group which is optionally interrupted by oxygen;

n is 1;

U is absent or represents methylene;

p is 0;

r is 0;

V is O;

q is 1; and

W is a single bond attached to the position ortho to the carboxylic acid group;

then s does not represent 0;

wherein the group -V-(CH₂)_q-W- is joined at the ortho position with respect to the carboxylic acid group.

7-8. (canceled).

9. (previously presented) A compound selected from one or more of the following:

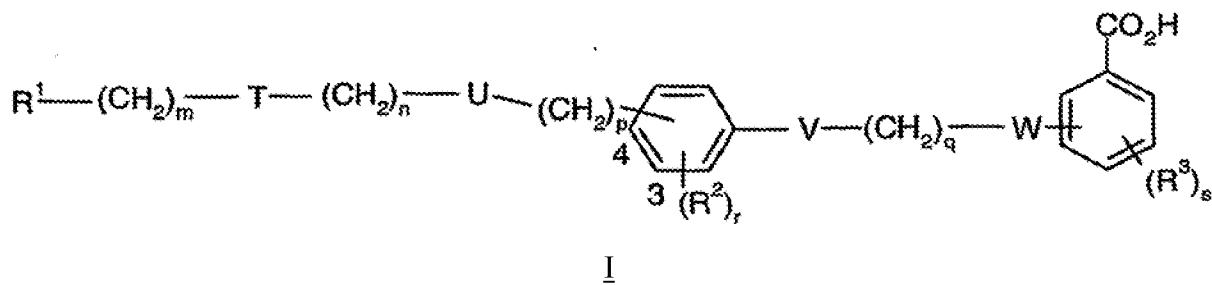
2-{{4-(2-oxo-2-{{4-(trifluoromethyl)benzyl}amino}ethyl)phenoxy}methyl}benzoic acid;

2-[(3-{2-[benzyl(hexyl)amino]-2-oxoethyl}phenoxy)methyl]benzoic acid;
2-[[3-(2-oxo-2-{{4-(trifluoromethyl)benzyl}amino}ethyl)phenoxy]methyl]benzoic acid;
2-[(4-{3-[[2-(3,4-dimethoxyphenyl)ethyl](methyl)amino]-3-oxopropyl}phenoxy)-
15 methyl]benzoic acid;
2-[(4-{2-[(4-methyl-2-[4-(trifluoromethyl)phenyl]-1,3-thiazol-5-yl)carbonyl]amino}-
ethyl)phenoxy]methyl]benzoic acid;
2-({4-[2-({[(2,4-difluorophenyl)amino]carbonyl}amino)ethyl]phenoxy}methyl)benzoic
acid;
2-[(4-{2-[(2-methyl-5-phenyl-3-furoyl)amino]ethyl}phenoxy)methyl]benzoic acid;
2-[(4-{2-[(benzylsulfonyl)amino]ethyl}phenoxy)methyl]benzoic acid;
2-[(4-{2-[benzyl(hexyl)amino]-2-oxoethyl}-2-fluorophenoxy)methyl]benzoic acid;
2-[(4-{2-[benzyl(hexyl)amino]-2-oxoethyl}-2-methoxyphenoxy)methyl]benzoic acid;
2-({4-[3-(3,4-dihydroisoquinolin-2(1H)-yl)-3-oxopropyl]phenoxy}methyl)benzoic acid;
2-[(4-{2-[4-(1H-imidazol-1-yl)phenoxy]ethyl}-phenoxy)methyl]benzoic acid;
2-([4-{2-4-[(methylsulfonyl)oxy]phenoxy}ethyl]phenoxy)methyl]benzoic acid;
2-[(3-{2-4-(benzyloxy)phenoxy}ethyl]phenoxy)methyl]benzoic acid;
2-{{3-(2-{4-[(methylsulfonyl)oxy]phenoxy}ethyl)phenoxy}methyl]benzoic acid;
2-({3-[2-(4-hydroxyphenoxy)ethyl]phenoxy}methyl)benzoic acid;
2-[(4-{3-[4-(benzyloxy)phenoxy]propyl}phenoxy)methyl]benzoic acid;
2-{{4-(3-{4-[(methylsulfonyl)oxy]phenoxy}propyl)phenoxy}methyl]benzoic acid;
2-({4-[3-(4-hydroxyphenoxy)propyl]phenoxy}methyl)benzoic acid;
2-{{4-(3-{2-(2-ethoxyphenyl)ethyl}amino)-3-oxopropyl}phenoxy}methyl]benzoic
acid;
2-[(4-{3-[ethyl(2-pyridin-2-ylethyl)amino]-3-oxopropyl}phenoxy)methyl]benzoic acid;
2-{{4-(2-{heptyl[2-(2-methoxyphenyl)ethyl] amino}-2-oxoethyl)phenoxy}methyl}
benzoic acid;
2-[(4-{2-[[2-(4-chlorophenyl)ethyl](heptyl)amino]-2-oxoethyl}phenoxy)methyl]benzoic
acid;
2-[(4-{2-[heptyl(2-phenylethyl)amino]-2-oxoethyl}-phenoxy)methyl]benzoic acid; and
2-[(4-{2-[ethyl(2-fluorobenzyl)amino]-2-oxoethoxy}phenoxy)methyl]benzoic acid;

or a pharmaceutically acceptable salt thereof.

10. (currently amended) A pharmaceutical formulation comprising a compound according to ~~claim 1~~ claim 6 in admixture with a pharmaceutically acceptable adjuvant, diluent, and/or carrier.

11. (currently amended) A method of treating insulin resistance comprising the administration of a compound according to claim 1 to a mammal in need thereof, wherein the compound is of formula I



wherein:

R¹ represents aryl optionally substituted by a heterocyclic group or a heterocyclic group optionally substituted by aryl wherein each aryl or heterocyclic group is optionally substituted by one or more of the following groups:

a C₁₋₆alkyl group;

a C₁₋₆acyl group;

arylC₁₋₆alkyl, wherein the alkyl, aryl, or alkylaryl group is optionally substituted by one or more R^b;

halogen;

-CN and NO₂;

-NR^cCOOR^a;

-NR^cCOR^a;

-NR^cR^a;

-NR^cSO₂R^d;

-NR^cCONR^kR^c;

-NR^cCSNR^aR^k;-OR^a;-OSO₂R^d;-SO₂R^d;-SOR^d;-SR^c;-SO₂NR^aR^f;-SO₂OR^a;-CONR^cR^a;-OCONR^fR^a;

wherein R^a represents H, a C₁₋₆alkyl group, aryl or arylC₁₋₆alkyl group wherein the alkyl, aryl or arylC₁₋₆alkyl group is optionally substituted one or more times by R^b, wherein R^b represents C₁₋₆alkyl, aryl, arylC₁₋₆alkyl, cyano, -NR^cR^d, =O, halo, -OH, -SH, -OC₁₋₄alkyl, -Oaryl, -OC₁₋₄alkylaryl, -COR^c, -SR^d, -SOR^d, or -SO₂R^d, wherein R^c represents H, C₁₋₄alkyl, aryl, arylC₁₋₄alkyl and R^d represents C₁₋₄alkyl, aryl, arylC₁₋₄alkyl;

wherein R^f represents hydrogen, C₁₋₄alkyl, C₁₋₄acyl, aryl, arylC₁₋₄alkyl and R^a is as defined above; and

R^k represents hydrogen, C₁₋₄alkyl, aryl, aryl C₁₋₄alkyl;

the group -(CH₂)_m-T-(CH₂)_n-U-(CH₂)_p- is attached at either the 3 or 4 position in the phenyl ring as indicated by the numbers in formula I and represents a group selected from one or more of the following: O(CH₂)₂, O(CH₂)₃, NC(O)NR⁴(CH₂)₂, CH₂S(O₂)NR⁵(CH₂)₂, CH₂N(R⁶)C(O)CH₂, (CH₂)₂N(R⁶)C(O)(CH₂)₂, C(O)NR⁷CH₂, C(O)NR⁷(CH₂)₂, and CH₂N(R⁶)C(O)CH₂O;

V represents O;

q represents 1;

W represents a single bond;

R² represents halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, a C₁₋₄acyl group, aryl, an arylC₁₋₄alkyl group, CN or NO₂;

r represents 0, 1, 2 or 3;

R³ represents represents halo, a C₁₋₄akyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, a C₁₋₄acyl group, aryl, an arylC₁₋₄alkyl group, or CN;

s represents 0, 1, 2 or 3; and

R⁴, R⁵, R⁶, R⁷, R⁸, R⁹ and R¹⁰ independently represent H, a C₁₋₁₀alkyl group, aryl or an arylC₁₋₄alkyl group or when m is 0 and T represents a group N(R⁶)C(O) or a group (R⁵)NS(O₂) then R¹ and R⁶ or R¹ and R⁵ together with the nitrogen atom to which they are attached represent a heteroaryl group;

or a pharmaceutically acceptable salts thereof;

with the proviso that:

1) when R¹ is phenyl optionally substituted by one or two groups independently selected from halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro;

m is 1;

T is N(R⁶)C(O) wherein R⁶ represents a C₂₋₈alkyl group which is optionally interrupted by oxygen;

n is 1;

U is absent or represents methylene;

p is 0;

r is 0;

V is O;

q is 1; and

W is a single bond attached to the position ortho to the carboxylic acid group;
then s does not represent 0.

12-14. (canceled).

15. (new) The method of claim 11 wherein the group -V-(CH₂)_q-W- of the compound is joined at the ortho position with respect to the carboxylic acid group.

16. (new) The method of claim 11 wherein the compound is chosen from:

2-{{4-(2-oxo-2-{{4-(trifluoromethyl)benzyl}amino}ethyl)phenoxy}methyl}benzoic acid;
2-[(3-{{2-[benzyl(hexyl)amino]-2-oxoethyl}phenoxy)methyl]benzoic acid;
2-{{3-(2-oxo-2-{{4-(trifluoromethyl)benzyl}amino}ethyl)phenoxy}methyl}benzoic acid;
2-[(4-{{3-[[2-(3,4-dimethoxyphenyl)ethyl](methyl)amino]-3-oxopropyl}phenoxy)-
15 methyl]benzoic acid;
2-[(4-{{2-[(4-methyl-2-[4-(trifluoromethyl)phenyl]-1,3-thiazol-5-yl)carbonyl]amino}-
ethyl}phenoxy)methyl]benzoic acid;
2-({4-[2-({[(2,4-difluorophenyl)amino]carbonyl}amino)ethyl]phenoxy}methyl)benzoic
acid;
2-[(4-{{2-[(2-methyl-5-phenyl-3-furoyl)amino]ethyl}phenoxy)methyl]benzoic acid;
2-[(4-{{2-[(benzylsulfonyl)amino]ethyl}phenoxy)methyl]benzoic acid;
2-[(4-{{2-[benzyl(hexyl)amino]-2-oxoethyl}2-fluorophenoxy)methyl]benzoic acid;
2-[(4-{{2-[benzyl(hexyl)amino]-2-oxoethyl}2-methoxyphenoxy)methyl]benzoic acid;
2-({4-[3-(3,4-dihydroisoquinolin-2(1H)-yl)-3-oxopropyl]phenoxy)methyl)benzoic acid;
2-[(4-{{2-[(4-(1H-imidazol-1-yl)phenoxy)ethyl]phenoxy}methyl]benzoic acid;
2-[(4-{{2-[(methylsulfonyl)oxy]phenoxy}ethyl)phenoxy}methyl]benzoic acid;
2-[(3-{{2-[(benzyloxy)phenoxy]ethyl}phenoxy}methyl]benzoic acid;
2-{{3-(2-{{4-[(methylsulfonyl)oxy]phenoxy}ethyl)phenoxy}methyl}benzoic acid;
2-({3-[(4-hydroxyphenoxy)ethyl]phenoxy}methyl)benzoic acid;
2-[(4-{{3-[(benzyloxy)phenoxy]propyl}phenoxy)methyl]benzoic acid;
2-{{4-[(methylsulfonyl)oxy]phenoxy}propyl}phenoxy]methyl)benzoic acid;
2-({4-[(4-hydroxyphenoxy)propyl]phenoxy}methyl)benzoic acid;
2-{{4-[(2-ethoxyphenyl)ethyl]amino}-3-oxopropyl}phenoxy]methyl)benzoic
acid;
2-[(4-{{3-[ethyl(2-pyridin-2-ylethyl)amino]-3-oxopropyl}phenoxy)methyl]benzoic acid;
2-{{4-(2-{{heptyl}[2-(2-methoxyphenyl)ethyl]amino}-2-oxoethyl)phenoxy}methyl}
benzoic acid;
2-[(4-{{2-[(4-chlorophenyl)ethyl](heptyl)amino}-2-oxoethyl}phenoxy)methyl]benzoic
acid;

2-[(4-{2-[heptyl(2-phenylethyl)amino]-2-oxoethyl}-phenoxy)methyl]benzoic acid; and
2-[(4-{2-[ethyl(2-fluorobenzyl)amino]-2-oxoethoxy}phenoxy)methyl]benzoic acid;
or a pharmaceutically acceptable salt thereof.

17. (new) The method of claim 11 wherein R¹ represents phenyl which is optionally substituted by one or more of the following: halo, hydroxy, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro, benzyloxy, a C₁₋₄alkylsulphonyloxy group, phenyl or a heteroaryl group, or R¹ represents heteroaryl which is optionally substituted by one or more of the following: halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro or phenyl optionally substituted by one or more of the following: halo, a C₁₋₄alkyl group which is optionally substituted by one or more fluoro, a C₁₋₄alkoxy group which is optionally substituted by one or more fluoro.

18. (new) The method of claim 11 wherein the group -(CH₂)_m-T-(CH₂)_n-U-(CH₂)_p- is attached at the 4 position in the phenyl ring as indicated by the numbers in formula I, that is para to the group V.

19. (new) The method of claim 11 wherein R² is halo, a C₁₋₄alkyl group or a C₁₋₄alkoxy group and r is 0 or 1.

20. (new) The method of claim 11 wherein s is 0.